

What Is Claimed Is:

1. A load detection circuit for determining when  
(1) a loudspeaker load is properly connected at a set  
5 of loudspeaker terminals, (2) a loudspeaker load is  
improperly connected at the loudspeaker terminals, and  
(3) no loudspeaker load is connected at the  
loudspeaker terminals.

10 2. A load detection circuit according to claim 1  
wherein the load detection circuit comprises two  
operational amplifiers.

15 3. A load detection circuit according to claim 1  
wherein the load detection circuit comprises two light  
emitting diodes packaged in a single housing, and  
further wherein one of the two light emitting diodes  
is a green diode and the other one of the two light  
emitting diodes is a red diode, the load detection  
20 circuit being configured to (1) light the green diode  
when the loudspeaker load is properly connected at the

loudspeaker terminals, (2) light the red diode when  
the loudspeaker load is improperly connected at the  
loudspeaker terminals, and (3) light both the green  
diode and the red diode together when there is no  
5 loudspeaker load connected at the loudspeaker  
terminals.

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